

| 5' AT | 11 | 20 | 29 | 38 | 47 | 56 |
|---|-----|-----|-----|-----|-----|-----|
| ATA CGA TTA CTA TAG GGA TTT GGC CCT CGA GGC AAG AAA TTC GGC ACG AGG ATC | | | | | | |
| AGA CCA TCA GAA GGA TTT GTA TAA AGA GTG ACT CTC CTA TGA AGG TAA AGG CCA | 65 | 74 | 83 | 92 | 101 | 110 |
| CCC CTC TTC AGT TCC AGT GAC TGA GAT ACA TTT TTC CAA TCC TGG GGG CAA ATA | 119 | 128 | 137 | 146 | 155 | 164 |
| CAG ACA CAG CAA GTT CCT TCT TCC TCT TGG AAA TTT GGC AGC TGC CTT CAC CAG | 173 | 182 | 191 | 200 | 209 | 218 |
| TGA GCA CAA AGC CAC ATT TCA AAG GAA ACT GAC AAA TTA TCC CCA GCT GCC AGA | 227 | 236 | 245 | 254 | 263 | 272 |
| AGA AGA AAT CCT CAC TGG ACG GCT TCC TGT TTC CTG TGG TGC ATT ATC TGA TTG | 281 | 290 | 299 | 308 | 317 | 326 |
| GCT GCA GGG ATG AAA GTT TTT AAG TTC ATA GGA CTG ATG ATC CTC ACC TCT | 335 | 344 | 353 | 362 | 371 | 380 |
| ----- | | | | | | |
| M K V F F K F I G L M I L L T S | | | | | | |
| GCG TTT TCA GCC GGT TCA GGA CAA AGT CCA ATG ACT GTG CTG TGC TCC ATA GAC | 389 | 398 | 407 | 416 | 425 | 434 |
| ----- | | | | | | |
| A F S A G S G Q Q S P M T V L C S I D | | | | | | |

FIGURE 1A

| | | | | | |
|---|-----|-----|-----|-----|-----|
| 443 | 452 | 461 | 470 | 479 | 488 |
| TGG TTC ATG GTC ACA GTG CAC CCC TTC ATG CTA AAC AAC GAT GTG TGT GTA CAC | | | | | |
| --- | --- | --- | --- | --- | --- |
| W F M V T V H P F M L N N D V C V H | | | | | |
| --- | --- | --- | --- | --- | --- |
| 497 | 506 | 515 | 524 | 533 | 542 |
| TTT CAT GAA CTA CAC TTG GGC CTG GGT TGC CCC CCA AAC CAT GTT CAG CCA CAC | | | | | |
| --- | --- | --- | --- | --- | --- |
| F H E L H L G L G C P P N H V Q P H | | | | | |
| --- | --- | --- | --- | --- | --- |
| 551 | 560 | 569 | 578 | 587 | 596 |
| GCC TAC CAG TTC ACC TAC CGT GTT ACT GAA TGT GGC ATC AGG GCC AAA GCT GTC | | | | | |
| --- | --- | --- | --- | --- | --- |
| A Y Q F T Y R V T E C G I R A K A V | | | | | |
| --- | --- | --- | --- | --- | --- |
| 605 | 614 | 623 | 632 | 641 | 650 |
| TCT CAG GAC ATG GTT ATC TAC AGC ACT GAG ATA CAC TAC TCT TCT AAG GGC ACG | | | | | |
| --- | --- | --- | --- | --- | --- |
| S Q D M V I Y S T E I H Y S S K G T | | | | | |
| --- | --- | --- | --- | --- | --- |
| 659 | 668 | 677 | 686 | 695 | 704 |
| CCA TCT AAG TTT GTG ATC CCA GTG TCA TGT GCT GCC CCC CAA AAG TCC CCA TGG | | | | | |
| --- | --- | --- | --- | --- | --- |
| P S K F V I P V S C A A P Q K S P W | | | | | |

FIGURE 1B

| | | | | | |
|---|-----|------|------|------|------|
| 713 | 722 | 731 | 740 | 749 | 758 |
| CTC ACC AAG CCC TGC TCC ATG AGA GTA GCC AGC AGG GCC ACA GCC CAG | | | | | |
| --- | --- | --- | --- | --- | --- |
| L T K P C S M R V A S K S R A T A Q | | | | | |
| 767 | 776 | 785 | 794 | 803 | 812 |
| AAG GAT GAG AAA TGC TAC GAG GTG TTC AGC TTG TCA CAG TCC AGT CAA AGG CCC | | | | | |
| --- | --- | --- | --- | --- | --- |
| K D E K C Y E V F S L S Q S S Q R P | | | | | |
| 821 | 830 | 839 | 848 | 857 | 866 |
| AAC TGC GAT TGT CCA CCT TGT GTC TTC AGT GAA GAA GAG CAT ACC CAG GTC CCT | | | | | |
| --- | --- | --- | --- | --- | --- |
| N C D C P P C V F S E E E H T Q V P | | | | | |
| 875 | 884 | 893 | 902 | 911 | 920 |
| TGT CAC CAA GCA GGG GCT CAG GAG GCT CAA CCT CTG CAG CCA TCT CAC TTT CTT | | | | | |
| --- | --- | --- | --- | --- | --- |
| C H Q A G A Q E A Q P L Q P S H F L | | | | | |
| 929 | 938 | 947 | 956 | 965 | 974 |
| GAT ATT TCT GAG GAT TGG TCT CTT CAC ACA GAT GAT ATG ATT GGG TCC ATG TGA | | | | | |
| --- | --- | --- | --- | --- | --- |
| D I S E D W S L H T D D M I G S M | | | | | |
| 983 | 992 | 1001 | 1010 | 1019 | 1028 |
| TCC TCA GGT TTG GGG TCT CCT GAA GAT GCT ATT TCT AGA ATT AGT ATA TAG TGT | | | | | |

FIGURE 1C

TOCT " 2569660

| | | | | | |
|---|------|------|------|------|------|
| 1037 | 1046 | 1055 | 1064 | 1073 | 1082 |
| ACA AAT GTC TGA CAA ATA AGT GCT CTT GTG ACC CTC ATG TGA GCA CTT TTG AGA | | | | | |
| 1091 | 1100 | 1109 | 1118 | 1127 | 1136 |
| AAG AGA AAC CTA TAG CAA CTT CAT GAA TTA AGC CTT TTT CTA TAT TTT TAT ATT | | | | | |
| 1145 | 1154 | 1163 | 1172 | 1181 | |
| CAT GTG TAA ACA AAA AAT AAA ATA AAA TTC TGA TCG CAT AAA AAA AAA AAA 3' | | | | | |

FIGURE 1D

| | | | | | | |
|---|-----|-----------------------|-----|-----|-----|-----|
| 5'G AGT TGT GAG GGT GTG AGG GTC GCG TTC CTG CTG TCT GGA CTT TTT CTG TCC CAC | 10 | 19 | 28 | 37 | 46 | 55 |
| --- | --- | --- | --- | --- | --- | --- |
| TGA GAC GCA GCT GTG TGA AAT ATG ATT TGG CGA GGA AGA TCA ACA TAT AGG CCT | 64 | 73 | 82 | 91 | 100 | 109 |
| --- | --- | --- | --- | --- | --- | --- |
| --- | --- | M I W R G R S T Y R P | --- | --- | --- | --- |
| AGG CCG AGG AGA AGT GTA CCA CCT CCT GAG CTG ATT GGG CCT ATG CTG GAG CCC | 118 | 127 | 136 | 145 | 154 | 163 |
| --- | --- | --- | --- | --- | --- | --- |
| R P R R S V P P P E L I G P M L E P | --- | --- | --- | --- | --- | --- |
| GGT GAT GAG GAG CCT CAG CAA GAG GAA CCA CCA ACT GAA AGT CGG GAT CCT GCA | 172 | 181 | 190 | 199 | 208 | 217 |
| --- | --- | --- | --- | --- | --- | --- |
| G D E E P Q Q E E P P T E S R D P A | --- | --- | --- | --- | --- | --- |
| CCT GGT CAG GAG AGA GAA GAA GAT CAG GGT GCA GCT GAG ACT CAA GTG CCT GAC | 226 | 235 | 244 | 253 | 262 | 271 |
| --- | --- | --- | --- | --- | --- | --- |
| P G Q E R E E D Q G A A E T Q V P D | --- | --- | --- | --- | --- | --- |
| CTG GAA GCT GAT CTC CAG GAG CTG TCT CAG TCA AAG ACT GGG GGT GAA TGT GGA | 280 | 289 | 298 | 307 | 316 | 325 |
| --- | --- | --- | --- | --- | --- | --- |
| L E A D L Q Q E L S Q S K T G G E C G | --- | --- | --- | --- | --- | --- |

FIGURE 2A

| | | | | | | |
|---------------------------------------|---|-----|-----|-----|-----|-----|
| 334 | AAT GGT CCT GAT GAC CAG GAG AAG ATT CTG CCA AAA TCA GAA CAA TTT AAA ATG | 343 | 352 | 361 | 370 | 379 |
| N G P D D Q Q G K I L P K S E Q F K M | | | | | | |
| 388 | CCA GAA GGA GGT GAC AGG CAA CCA CAG GTT TAA ATG AAG ACA AGC TGA AAC AAC | 397 | 406 | 415 | 424 | 433 |
| P E G G D R Q P Q V | | | | | | |
| 442 | ACA AAA CTG TTT TTA TCT AAG ATA TTT GAC TTA AAA ATA TCA AAA TAA ACT TTT | 451 | 460 | 469 | 478 | 487 |
| | | | | | | |
| 496 | GCA GCT TTC TCC AAA AAA AAA A 3' | 505 | | | | |
| | | | | | | |

FIGURE 2B